

INTERNATIONAL SEARCH REPORT

Internal Application No
P B 03/05675

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03H9/17 H03H9/13

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 152 475 A (MITSUBISHI ELECTRIC CORP) 7 November 2001 (2001-11-07) paragraphs '0009!, '0033! figure 2 paragraph '0052! – paragraph '0054! paragraph '0064! – paragraph '0066! paragraph '0075! – paragraph '0077! ---	1-3, 5-8, 10-12 4, 9
Y	US 5 873 154 A (PARTANEN MEERI TALVILEI ET AL) 23 February 1999 (1999-02-23) column 2, line 12 – line 37 column 4, line 53 – line 67 ---	1, 2, 10-12 4, 9
X	US 6 249 074 B1 (LIND THEODORE ET AL) 19 June 2001 (2001-06-19) column 5, line 1 – line 14 ---	4, 9
Y		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

15 March 2004

Date of mailing of the international search report

16/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL – 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lecoutre, R

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GIBOA H ET AL: "Sequential sputter deposition of titanium nitride and aluminum" VMIC CONFERENCE (IEEE), 12 June 1990 (1990-06-12), pages 338-341, XP010010876 the whole document -----	4, 9

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Information on patent family members

Internal Application No
PCT/IB 03/05675

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
EP 1152475	A 07-11-2001	JP 2000209063 A			28-07-2000
		EP 1152475 A1			07-11-2001
		US 2001045793 A1			29-11-2001
		CN 1337070 T			20-02-2002
		WO 0135469 A1			17-05-2001
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US 6249074	B1 19-06-2001	CN 1276918 T			13-12-2000
		EP 1029372 A1			23-08-2000
		JP 2001514456 T			11-09-2001
		WO 9910938 A1			04-03-1999